

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

1005

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶:

D02G 3/00

A1

(11) International Publication Number:

WO 98/24953

(43) International Publication Date:

11 June 1998 (11.06.98)

(21) International Application Number: PCT/US97/21797

(22) International Filing Date: 1 December 1997 (01.12.97)

(30) Priority Data:

08/753,954

3 December 1996 (03.12.96)

US

(71) Applicant: SEYDEL RESEARCH, INC. [US/US]; 14 N. Parkway Square, 4200 Northside Parkway, N.W., Atlanta, GA 30327 (US).

(72) Inventor: SALSMAN, Robert, Keith; 164 Pheasant Run, Hoschton, GA 30548 (US).

(74) Agent: FLINT, Cort; P.O.Box 10827, Greenville, SC 29603-0827 (US).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(54) Title: SULFOARYL MODIFIED WATER-SOLUBLE OR WATER-DISPERSIBLE RESINS FROM POLYETHYLENE TEREPHTHALATE OR TEREPHTHALATES

(57) Abstract

Water-soluble or water-dispersible and curable polyester resins are suitable as binders in various applications. The resins are reaction products of polyterephthalate, sulfoisophthalates, polyols, polyacids, end acids and crosslinker agents. Waste terephthalates can be utilized. The preferred polyol is pentaerythritol. The resins can also be used as dye levelling agents when dyeing synthetic fibers.